

447 Rec'd PCT/PTO 20 JAN. 2006

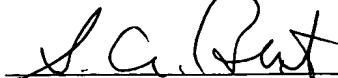
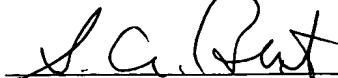
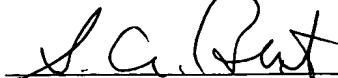
FORM PTO-1390 (Modified)  
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  
(REV 12-2004)

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 081356-0255 117565273
INTERNATIONAL APPLICATION NO. PCT/IP2004/010783	INTERNATIONAL FILING DATE 07/22/2004	U.S. APPLICATION NO. (If known, see 37 CFR 1.57) APPL. NO. PRIORITY DATE CLAIMED 07/22/2003
TITLE OF INVENTION METHOD FOR PREPARING LANGERHANS CELL FROM HUMAN PERIPHERAL BLOOD MONONUCLEAR CELL, I.E., CD14-POSITIVE CELL, USING NOTCH LIGAND DELTA-1, GM-CSF, AND TGF- $\beta$ (As Amended)		
APPLICANT(S) FOR DO/EO/US Naoyuki KATAYAMA, Koshi OISHI & Hiroshi SHIKU		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/>	This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.	
2. <input type="checkbox"/>	This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.	
3. <input checked="" type="checkbox"/>	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.	
4. <input checked="" type="checkbox"/>	The US has been elected (Article 31).	
5. <input checked="" type="checkbox"/>	A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). <input checked="" type="checkbox"/> has been communicated by the International Bureau. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)	
6. <input checked="" type="checkbox"/>	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <input checked="" type="checkbox"/> is attached hereto. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).	
7. <input checked="" type="checkbox"/>	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <input type="checkbox"/> are attached hereto (required only if not transmitted by the International Bureau). <input type="checkbox"/> have been communicated by the International Bureau. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <input checked="" type="checkbox"/> have not been made and will not be made.	
8. <input type="checkbox"/>	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).	
9. <input checked="" type="checkbox"/>	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).	
10. <input type="checkbox"/>	An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).	
Items 11 to 20 below concern other document(s) or information included:		
11. <input checked="" type="checkbox"/>	An Information Disclosure Statement under 37 CFR 1.97 and 1.98.	
12. <input type="checkbox"/>	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.	
13. <input checked="" type="checkbox"/>	A preliminary amendment.	
14. <input checked="" type="checkbox"/>	An Application Data Sheet under 37 CFR 1.76.	
15. <input type="checkbox"/>	A substitute specification.	
16. <input type="checkbox"/>	A power of attorney and/or change of address letter.	
17. <input checked="" type="checkbox"/>	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825	
18. <input type="checkbox"/>	A second copy of the published international application under 35 U.S.C. 154(d)(4).	
19. <input type="checkbox"/>	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).	
20. <input checked="" type="checkbox"/>	Other items or information: PCT/ISA/210 and Statement to Support Filing and Submission in Accordance with 37 C.F.R. 1.821-1.825.	

FORM PTO-1390 (Modified)

WASH\_1530834.1

IAP20 Rec'd PCT/PTO 20 JAN 2006

U.S. APPLICATION NO. (if known) <i>Unassigned</i>	INTERNATIONAL APPLICATION NO. <i>PCT/JP2004/010783</i>	ATTORNEY'S DOCKET NUMBER <i>081356-0255</i>																																																																																																																																				
<p>The following fees have been submitted:</p> <table border="1"> <tr> <td>21. <input checked="" type="checkbox"/> Basic national fee</td> <td>\$300</td> <td>\$ 300.00</td> </tr> <tr> <td>22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)</td> <td>\$100 \$200</td> <td>\$ 200.00</td> </tr> <tr> <td>All other situations</td> <td></td> <td></td> </tr> <tr> <td>23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority</td> <td>\$100</td> <td></td> </tr> <tr> <td>International Search Report prepared and provided to the Office</td> <td>\$400</td> <td></td> </tr> <tr> <td>All other situations</td> <td>\$500</td> <td>\$ 500.00</td> </tr> <tr> <td colspan="2"><b>TOTAL OF ABOVE 21, 22 and 23 =</b></td> <td>\$ 1000.00</td> </tr> <tr> <td colspan="3"> <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$ for each additional 50 sheets of paper or fraction thereof.         </td> </tr> <tr> <td>Total Sheets</td> <td>Extra sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td>RATE</td> </tr> <tr> <td>50 - 100 = 0</td> <td>/50 =</td> <td>0</td> <td>x \$250.00</td> </tr> <tr> <td colspan="3">Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e))</td> <td>\$ 0.00</td> </tr> <tr> <td>CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td>RATE</td> </tr> <tr> <td>Total Claims</td> <td>34 - 20 = 14</td> <td>x \$ 50.00</td> <td>\$ 700.00</td> </tr> <tr> <td>Independent Claims</td> <td>5 - 3 = 2</td> <td>x \$ 200.00</td> <td>\$ 400.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$ 360.00</td> </tr> <tr> <td colspan="3"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td>\$ 2460.00</td> </tr> <tr> <td colspan="3"> <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.         </td> <td>+ \$ 0.00</td> </tr> <tr> <td colspan="3"><b>SUBTOTAL =</b></td> <td>\$ 2460.00</td> </tr> <tr> <td colspan="3">Processing fee of 130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).</td> <td>\$</td> </tr> <tr> <td colspan="3"><b>TOTAL NATIONAL FEE =</b></td> <td>\$ 2460.00</td> </tr> <tr> <td colspan="3">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 40.00 per property</td> <td>\$</td> </tr> <tr> <td colspan="3"><b>TOTAL FEES ENCLOSED =</b></td> <td>\$ 2460.00</td> </tr> <tr> <td colspan="3"></td> <td>Amount to be refunded:</td> </tr> <tr> <td colspan="3"></td> <td>charged:</td> </tr> <tr> <td colspan="4">       a. <input checked="" type="checkbox"/> A check in the amount of \$2460.00 to cover the above fees is enclosed.     </td> </tr> <tr> <td colspan="4">       b. <input type="checkbox"/> Please charge my Deposit Account No. <u>19-0741</u> in the amount of \$2460.00 to cover the above fees.        A duplicate copy of this sheet is enclosed.     </td> </tr> <tr> <td colspan="4">       c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-0741</u>. A duplicate copy of this sheet is enclosed.     </td> </tr> <tr> <td colspan="4">       d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.     </td> </tr> <tr> <td colspan="4">NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</td> </tr> <tr> <td colspan="4">SEND ALL CORRESPONDENCE TO:</td> </tr> <tr> <td colspan="4">       Foley &amp; Lardner LLP        Customer Number: 22428     </td> </tr> <tr> <td colspan="4">         SIGNATURE        Stephen A. Bent     </td> </tr> <tr> <td colspan="4">       NAME        29,768     </td> </tr> <tr> <td colspan="4">       REGISTRATION NUMBER     </td> </tr> <tr> <td colspan="4">Date: January 20, 2006</td> </tr> </table>			21. <input checked="" type="checkbox"/> Basic national fee	\$300	\$ 300.00	22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)	\$100 \$200	\$ 200.00	All other situations			23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority	\$100		International Search Report prepared and provided to the Office	\$400		All other situations	\$500	\$ 500.00	<b>TOTAL OF ABOVE 21, 22 and 23 =</b>		\$ 1000.00	<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$ for each additional 50 sheets of paper or fraction thereof.			Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	50 - 100 = 0	/50 =	0	x \$250.00	Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e))			\$ 0.00	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total Claims	34 - 20 = 14	x \$ 50.00	\$ 700.00	Independent Claims	5 - 3 = 2	x \$ 200.00	\$ 400.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$ 360.00	<b>TOTAL OF ABOVE CALCULATIONS =</b>			\$ 2460.00	<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.			+ \$ 0.00	<b>SUBTOTAL =</b>			\$ 2460.00	Processing fee of 130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).			\$	<b>TOTAL NATIONAL FEE =</b>			\$ 2460.00	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 40.00 per property			\$	<b>TOTAL FEES ENCLOSED =</b>			\$ 2460.00				Amount to be refunded:				charged:	a. <input checked="" type="checkbox"/> A check in the amount of \$2460.00 to cover the above fees is enclosed.				b. <input type="checkbox"/> Please charge my Deposit Account No. <u>19-0741</u> in the amount of \$2460.00 to cover the above fees. A duplicate copy of this sheet is enclosed.				c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-0741</u> . A duplicate copy of this sheet is enclosed.				d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.				NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.				SEND ALL CORRESPONDENCE TO:				Foley & Lardner LLP Customer Number: 22428				 SIGNATURE Stephen A. Bent				NAME 29,768				REGISTRATION NUMBER				Date: January 20, 2006			
21. <input checked="" type="checkbox"/> Basic national fee	\$300	\$ 300.00																																																																																																																																				
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)	\$100 \$200	\$ 200.00																																																																																																																																				
All other situations																																																																																																																																						
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority	\$100																																																																																																																																					
International Search Report prepared and provided to the Office	\$400																																																																																																																																					
All other situations	\$500	\$ 500.00																																																																																																																																				
<b>TOTAL OF ABOVE 21, 22 and 23 =</b>		\$ 1000.00																																																																																																																																				
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$ for each additional 50 sheets of paper or fraction thereof.																																																																																																																																						
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																																																																																																																																			
50 - 100 = 0	/50 =	0	x \$250.00																																																																																																																																			
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e))			\$ 0.00																																																																																																																																			
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																																																																																																																																			
Total Claims	34 - 20 = 14	x \$ 50.00	\$ 700.00																																																																																																																																			
Independent Claims	5 - 3 = 2	x \$ 200.00	\$ 400.00																																																																																																																																			
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$ 360.00																																																																																																																																			
<b>TOTAL OF ABOVE CALCULATIONS =</b>			\$ 2460.00																																																																																																																																			
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.			+ \$ 0.00																																																																																																																																			
<b>SUBTOTAL =</b>			\$ 2460.00																																																																																																																																			
Processing fee of 130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).			\$																																																																																																																																			
<b>TOTAL NATIONAL FEE =</b>			\$ 2460.00																																																																																																																																			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 40.00 per property			\$																																																																																																																																			
<b>TOTAL FEES ENCLOSED =</b>			\$ 2460.00																																																																																																																																			
			Amount to be refunded:																																																																																																																																			
			charged:																																																																																																																																			
a. <input checked="" type="checkbox"/> A check in the amount of \$2460.00 to cover the above fees is enclosed.																																																																																																																																						
b. <input type="checkbox"/> Please charge my Deposit Account No. <u>19-0741</u> in the amount of \$2460.00 to cover the above fees. A duplicate copy of this sheet is enclosed.																																																																																																																																						
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-0741</u> . A duplicate copy of this sheet is enclosed.																																																																																																																																						
d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																																																																																																																																						
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.																																																																																																																																						
SEND ALL CORRESPONDENCE TO:																																																																																																																																						
Foley & Lardner LLP Customer Number: 22428																																																																																																																																						
 SIGNATURE Stephen A. Bent																																																																																																																																						
NAME 29,768																																																																																																																																						
REGISTRATION NUMBER																																																																																																																																						
Date: January 20, 2006																																																																																																																																						